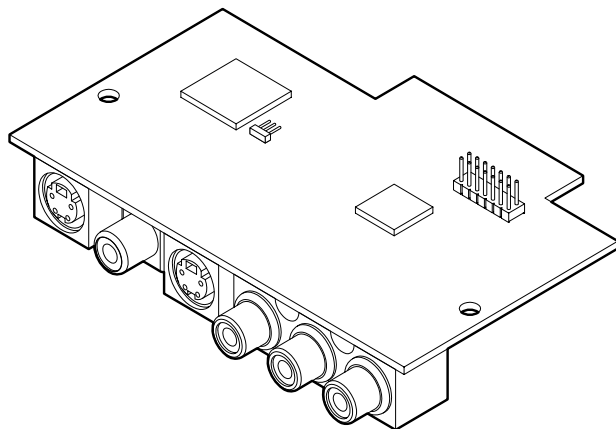




EPIA Module

PX-TC

Quick Reference Guide

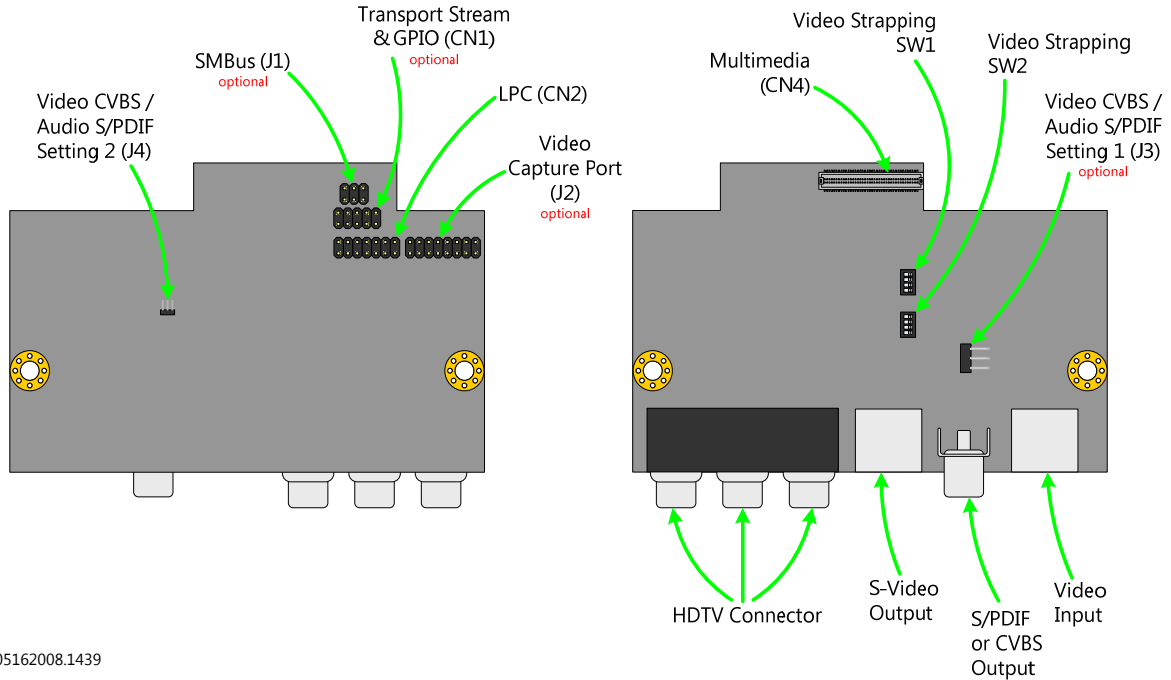
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EPIA PX-TC Layout



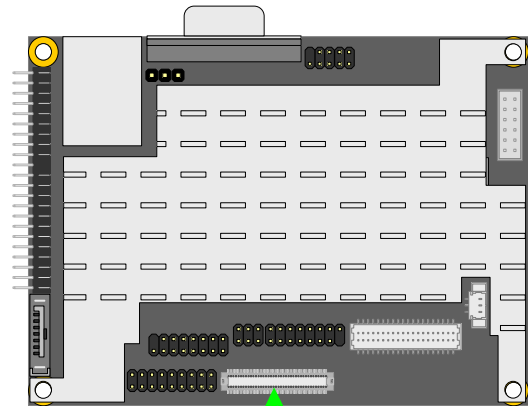
Installation

Preparing the EPIA-PX

1. Put on a pair of anti-static gloves or wear a ground wrist-strap.
2. Disconnect all attached cables from the EPIA-PX.

Note:

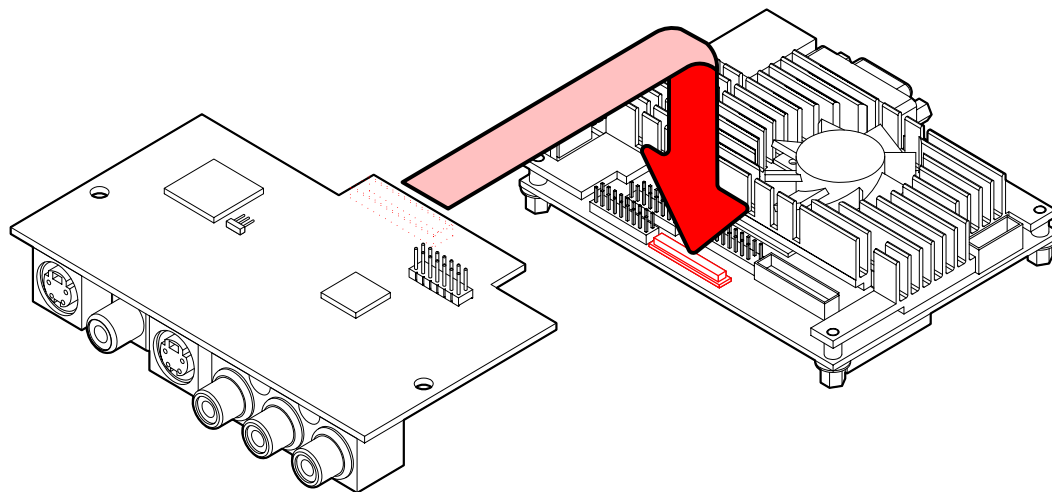
Depending on the EPIA PX SKU, the heatsink may or may not have a fan.



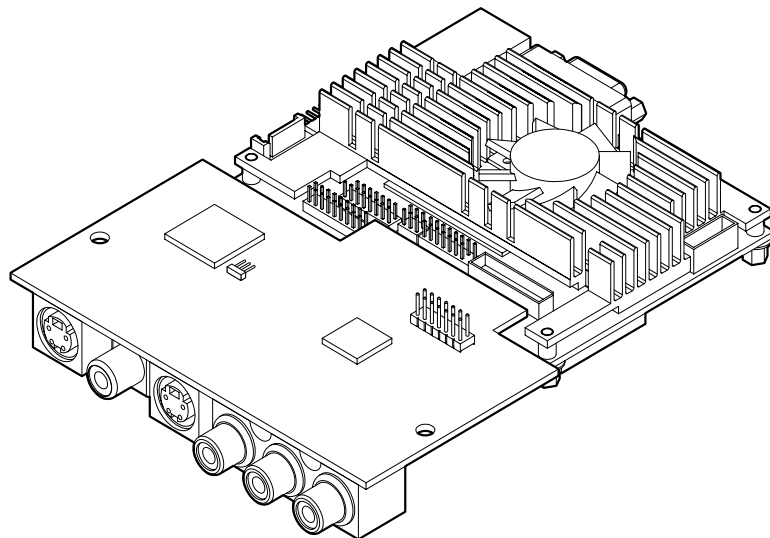
Multimedia
connector

Mounting the PX-TC

Connect the multimedia connector on the PX-TC to the multimedia connector on the EPIA PX.



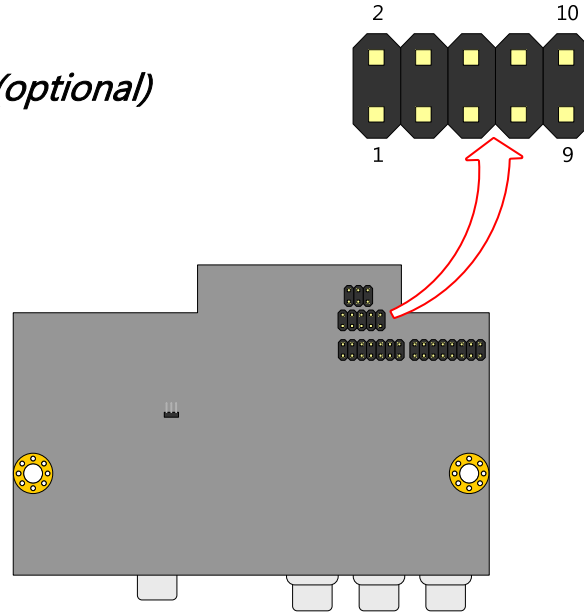
Gently press down until the multimedia connector on the PX-TC is fully attached to the multimedia connector on the EPIA PX.



Pinheaders

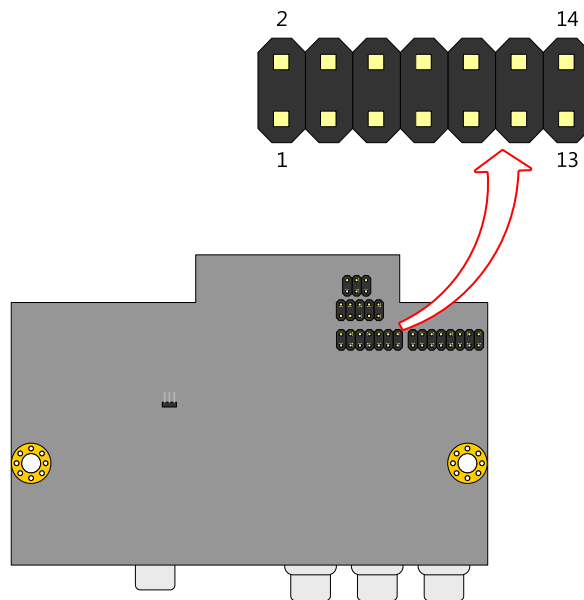
CN1: Transport Stream & GPIO (optional)

Pin	Pin Name	Pin	Pin Name
1	+3.3V	2	+5V
3	DVP0DE	4	TSIERR
5	DISPCLKO1	6	GPIO2
7	DISPCLKI1	8	GPIO3
9	GND	10	GND



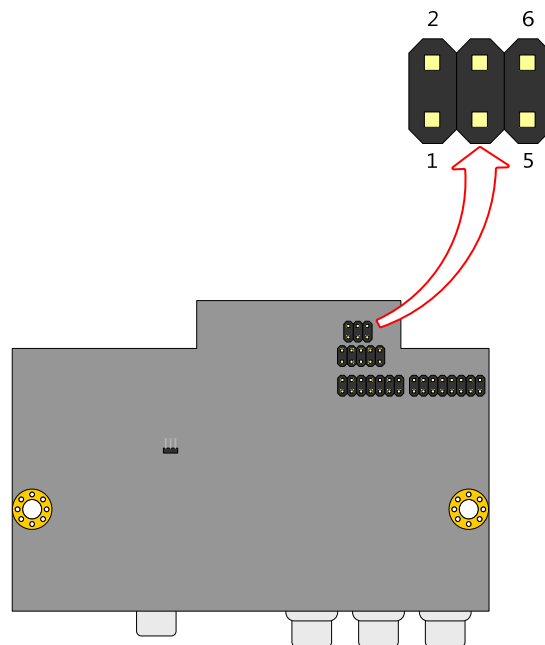
CN2: LPC

Pin	Pin Name	Pin	Pin Name
1	SIO SOC	2	LAD3
3	LPC CLK	4	LAD2
5	#LDRQ	6	LAD1
7	SERIRQ	8	#LFRAME
9	SIO SMI	10	LAD0
11	+3.3V	12	#PCIRST
13	GND	14	+5V



J1: SMBus (optional)

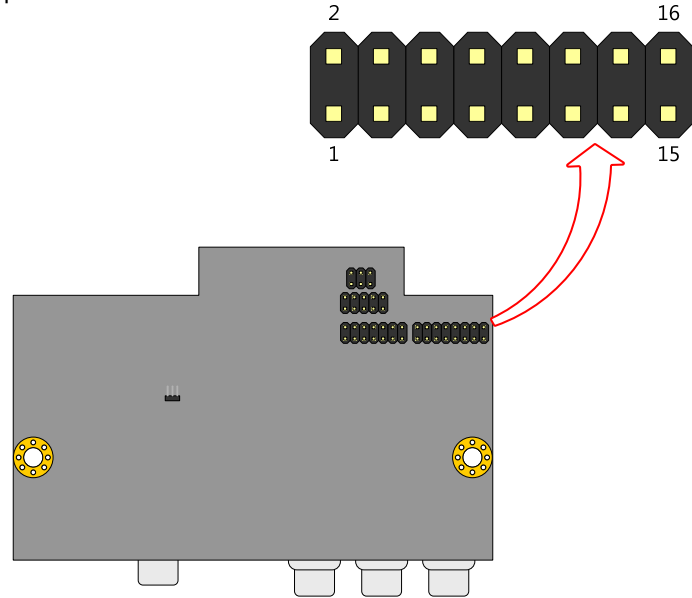
Pin	Pin Name	Pin	Pin Name
1	NC	2	+5V
3	GND	4	+3.3V
5	SMB Data	6	SMB Clock



J2: Video Capture Port 0 (optional)

This is interface for use with external video capture cards.

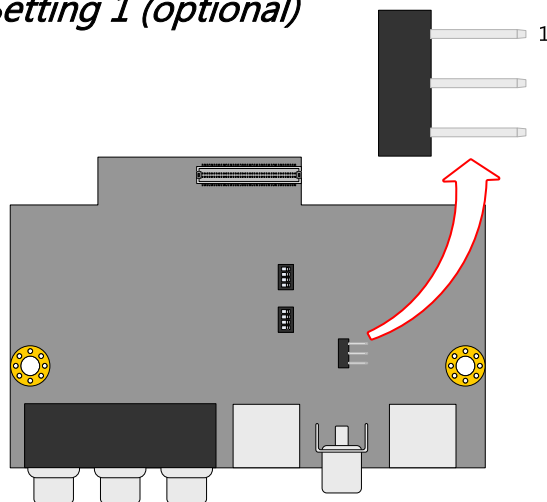
Pin	Pin Name	Pin	Pin Name
1	#PCIRST	2	CAPCLK
3	CAPHS	4	GND
5	GND	6	CAPVS
7	CAPD1	8	CAPD0
9	CAPD3	10	CAPD2
11	CAPD5	12	CAPD4
13	CAPD7	14	CAPD6
15	NC	16	GND



Jumpers & Switches

J3: Video CVBS / Audio S/PDIF Out Setting 1 (optional)

Pins	Function
1-2	Composite TV-out
3-4	S/PDIF out
5-6	Ground

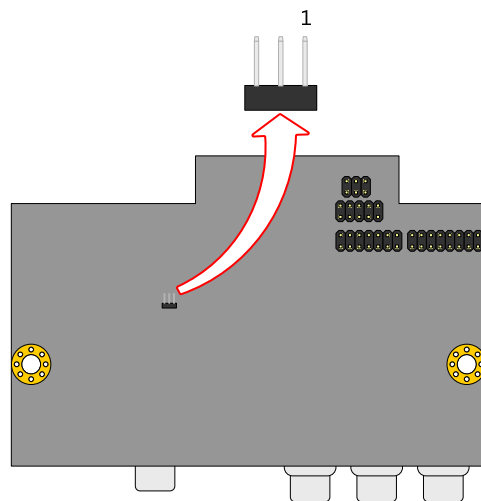


J4: Video CVBS / Audio S/PDIF Out Setting 2

Pins	Function
1-2	Composite TV-out
2-3	S/PDIF out

Note:

J3 must be set corresponding to J4.



SW1 & SW2: Video Strapping Ports

SW1 controls Video Port 0 and SW2 controls Video Port 1. Each video port can only support 8-bit. They can be combined to support 16-bit.

Function	SW1 DIP Switch				SW2 DIP Switch			
	1	2	3	4	1	2	3	4
8-bit CCIR656	on	on	on	on	on	on	on	on
8-bit CCIR601	off	on	on	on	off	on	on	on
8-bit VIP 1.1	on	off	on	on	on	off	on	on
8-bit VIP 2.0	off	off	on	on	off	off	on	on
16-bit CCIR656	on	on	off	on	on	on	off	on
16-bit CCIR601	off	on	off	on	off	on	off	on
16-bit VIP 1.1	on	off	off	on	on	off	off	on
16-bit VIP 2.0	off	off	off	on	off	off	off	on
8-bit Transport Stream	--	--	--	off	--	--	--	off

